

**WHAT IS CLAIMED IS:**

1. An artificial hip joint without a shaft, comprising:
  - an enhancing bone plate, for supporting a femur, and said enhancing bone plate including more than one hole for passing a fixing element capable of fixing said enhancing bone plate onto the surface of said femur;
  - an enhancing bone screw, for passing through said enhancing bone plate and into said femur;
  - a center bone screw, being screwed with said enhancing bone screw, and another end of said center bone screw being exposed from a femur neck; and
  - a femur neck protecting device, being coupled to another end that said center bone screw is not coupled with said enhancing bone screw, for protecting said femur neck.
2. The artificial hip joint without a shaft of claim 1, wherein said fixing element is a screw.
3. The artificial hip joint without a shaft of claim 1, wherein said femur neck protecting device comprises a hollow sleeve, and said hollow sleeve includes an externally extended and slightly curved flange disposed at an end of the periphery of said hollow sleeve and an inwardly withdrawn neck section protruded from another end of said hollow sleeve, such that said neck section is coupled precisely to said center bone screw, and said sleeve includes at least one hole disposed at said flange.